

Supplemental Material

Pre- and Postnatal Arsenic Exposure and Body Size to Two Years of Age: a Cohort Study in Rural Bangladesh

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Running title: Early Life Arsenic Exposure and Child Body Size

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Supplemental Figure 1. Percent *underweight* (weight for age Z-score <-2) (A) and *stunting* (length for age Z-score <-2) (B) in boys and girls at 24 months of age by categorized urinary arsenic (median split, 34.2 $\mu\text{g}/\text{L}$) at 18 months.

Supplemental Table 1. Attained child weight (kg) at 3, 6, 9, 12, 18, and 24 months of age by quintiles of maternal urinary arsenic (U-As, µg/L) at 8 and 30 weeks of pregnancy. Data are presented for boys and girls.

Quintiles of maternal U-As; Median (range), µg/L	3 months Mean±SD	6 months Mean±SD	9 months Mean±SD	12 months Mean±SD	18 months Mean±SD	24 months Mean±SD
At 8 weeks of pregnancy						
<i>Boys</i>						
<i>Overall mean weight</i>	5.51±0.72	7.01±0.88	7.78±0.98	8.30±1.04	9.19±1.14	10.0±1.22
Q1: 23 (1.2-33)	5.49±0.76	7.05±0.87	7.84±1.01	8.42±1.16	9.35±1.32	10.2±1.41
Q2: 41 (33-57)	5.58±0.69	7.11±0.83	7.88±0.94	8.37±1.05	9.27±1.08	10.1±1.22
Q3: 80 (57-115)	5.39±0.75	6.90±0.93	7.66±0.97	8.15±0.97	9.01±1.02	9.88±1.15
Q4: 169 (116-245)	5.55±0.69	6.98±0.89	7.68±1.02	8.21±1.00	9.12±1.16	9.96±1.17
Q5: 378 (246-1611)	5.54±0.68	7.01±0.88	7.81±0.96	8.36±0.99	9.19±1.07	10.1±1.10
p-value for trend ^a	0.51	0.57	0.74	0.97	0.42	0.59
<i>Girls</i>						
<i>Overall mean weight</i>	5.06±0.64	6.43±0.80	7.13±0.93	7.65±1.02	8.54±1.05	9.38±1.11
Q1: 23 (1.2-33)	5.06±0.58	6.53±0.81	7.21±1.00	7.77±1.05	8.64±1.08	9.48±1.09
Q2: 41 (33-57)	5.15±0.68	6.51±0.84	7.18±0.95	7.69±1.14	8.54±1.19	9.38±1.21
Q3: 80 (57-115)	5.03±0.67	6.39±0.80	7.13±0.93	7.64±1.00	8.55±1.01	9.39±1.11
Q4: 169 (116-245)	5.09±0.61	6.36±0.79	7.11±0.88	7.59±0.96	8.48±0.96	9.34±1.03
Q5: 378 (246-1611)	4.99±0.63	6.37±0.76	7.02±0.89	7.58±0.93	8.47±0.98	9.32±1.09
p-value for trend ^a	0.11	0.066	0.045	0.10	0.18	0.26

^aLinear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 1. *Cont.*

Quintiles of maternal U-As; Median (range), µg/L	3 months Mean±SD	6 months Mean±SD	9 months Mean±SD	12 months Mean±SD	18 months Mean±SD	24 months Mean±SD
At 30 weeks of pregnancy						
<i>Boys</i>						
<i>Overall mean weight</i>	5.52±0.70	7.03±0.88	7.79±0.98	8.31±1.04	9.21±1.14	10.0±1.23
Q1: 25 (1.8-36)	5.58±0.73	7.05±0.90	7.86±1.01	8.37±1.15	9.32±1.32	10.2±1.46
Q2: 48 (36-63)	5.56±0.66	7.11±0.85	7.87±0.97	8.40±1.01	9.26±1.10	10.1±1.22
Q3: 84 (63-120)	5.50±0.71	7.03±0.88	7.77±0.96	8.26±1.10	9.18±1.12	9.98±1.19
Q4: 185 (121-272)	5.49±0.71	6.97±0.91	7.71±1.00	8.20±0.98	9.08±1.09	9.89±1.15
Q5: 414 (273-1632)	5.48±0.67	7.00±0.88	7.74±0.93	8.31±0.97	9.23±1.06	10.0±1.08
p-value for trend ^a	0.22	0.35	0.15	0.44	0.53	0.24
<i>Girls</i>						
<i>Overall mean weight</i>	5.06±0.65	6.44±0.81	7.11±0.92	7.63±1.01	8.54±1.05	9.37±1.11
Q1: 25 (1.8-36)	5.15±0.63	6.52±0.88	7.20±0.96	7.74±1.06	8.59±1.21	9.46±1.29
Q2: 48 (36-63)	5.09±0.66	6.44±0.80	7.12±1.02	7.64±1.01	8.47±1.03	9.35±1.05
Q3: 84 (63-120)	5.08±0.66	6.42±0.78	7.08±0.84	7.62±1.00	8.55±1.03	9.37±1.09
Q4: 185 (121-272)	5.02±0.57	6.47±0.79	7.16±0.90	7.66±1.06	8.61±1.01	9.41±1.08
Q5: 414 (273-1632)	4.96±0.70	6.34±0.78	6.97±0.85	7.51±0.89	8.47±0.96	9.28±1.04
p-value for trend ^a	0.011	0.086	0.038	0.048	0.53	0.19

^aLinear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 2. Attained child *length (cm)* at 3, 6, 9, 12, 18, and 24 months of age by quintiles of maternal urinary arsenic (U-As, $\mu\text{g/L}$) at 8 and 30 weeks of pregnancy. Data are presented for boys and girls.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months Mean \pm SD	6 months Mean \pm SD	9 months Mean \pm SD	12 months Mean \pm SD	18 months Mean \pm SD	24 months Mean \pm SD
At 8 weeks of pregnancy						
<i>Boys</i>						
<i>Overall mean length</i>	58.5 \pm 2.3	64.5 \pm 2.4	68.5 \pm 2.5	71.6 \pm 2.6	76.8 \pm 3.0	81.3 \pm 3.4
Q1: 23 (1.2-33)	58.5 \pm 2.5	64.7 \pm 2.4	68.8 \pm 2.4	71.9 \pm 2.7	77.1 \pm 3.1	81.5 \pm 3.4
Q2: 41 (33-57)	58.6 \pm 2.3	64.6 \pm 2.3	68.5 \pm 2.1	71.7 \pm 2.3	76.7 \pm 2.7	81.4 \pm 3.0
Q3: 80 (57-115)	58.2 \pm 2.2	64.2 \pm 2.5	68.2 \pm 2.6	71.3 \pm 2.7	76.3 \pm 3.1	80.9 \pm 3.5
Q4: 169 (116-245)	58.5 \pm 2.4	64.2 \pm 2.5	68.3 \pm 2.8	71.5 \pm 2.9	76.7 \pm 3.4	81.1 \pm 3.6
Q5: 378 (246-1611)	58.6 \pm 2.2	64.7 \pm 2.3	68.7 \pm 2.2	71.7 \pm 2.5	77.0 \pm 2.9	81.5 \pm 3.3
p-value for trend ^a	0.57	0.69	0.65	0.79	0.37	0.76
<i>Girls</i>						
<i>Overall mean length</i>	57.2 \pm 2.0	62.7 \pm 2.2	66.8 \pm 2.3	69.9 \pm 2.5	75.0 \pm 2.9	79.7 \pm 3.1
Q1: 23 (1.2-33)	57.1 \pm 2.0	62.9 \pm 2.3	66.9 \pm 2.6	70.2 \pm 2.7	75.3 \pm 3.2	80.0 \pm 3.3
Q2: 41 (33-57)	57.4 \pm 2.1	62.7 \pm 2.1	66.7 \pm 2.2	69.8 \pm 2.4	74.9 \pm 2.9	79.6 \pm 3.0
Q3: 80 (57-115)	57.0 \pm 2.0	62.7 \pm 2.2	66.8 \pm 2.3	70.1 \pm 2.5	75.1 \pm 2.8	79.7 \pm 3.2
Q4: 169 (116-245)	57.2 \pm 2.1	62.5 \pm 2.3	66.8 \pm 2.4	69.7 \pm 2.4	74.9 \pm 2.9	79.4 \pm 3.2
Q5: 378 (246-1611)	57.1 \pm 2.0	62.7 \pm 1.9	66.7 \pm 2.1	69.6 \pm 2.3	74.9 \pm 2.6	79.7 \pm 2.8
p-value for trend ^a	0.65	0.40	0.53	0.037	0.33	0.59

^aLinear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 2. *Cont.*

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months Mean \pm SD	6 months Mean \pm SD	9 months Mean \pm SD	12 months Mean \pm SD	18 months Mean \pm SD	24 months Mean \pm SD
At 30 weeks of pregnancy						
<i>Boys</i>						
<i>Overall mean length</i>	58.5 \pm 2.3	64.5 \pm 2.4	68.9 \pm 2.43	71.7 \pm 2.6	76.8 \pm 3.0	81.3 \pm 3.3
Q1: 25 (1.8-36)	58.9 \pm 2.3	64.7 \pm 2.4	68.8 \pm 2.4	72.0 \pm 2.6	77.1 \pm 3.0	81.6 \pm 3.4
Q2: 48 (36-63)	58.7 \pm 2.3	64.6 \pm 2.3	68.7 \pm 2.5	71.8 \pm 2.6	76.8 \pm 3.0	81.4 \pm 3.3
Q3: 84 (63-120)	58.4 \pm 2.5	64.5 \pm 2.4	68.6 \pm 2.4	71.5 \pm 2.6	76.6 \pm 2.9	81.2 \pm 3.4
Q4: 185 (121-272)	58.2 \pm 2.3	64.3 \pm 2.4	68.3 \pm 2.6	71.5 \pm 2.6	76.5 \pm 3.1	81.1 \pm 3.3
Q5: 414 (273-1632)	58.4 \pm 2.1	64.5 \pm 2.4	68.5 \pm 2.3	71.6 \pm 2.5	76.9 \pm 3.0	81.4 \pm 3.2
p-value for trend ^a	0.13	0.37	0.28	0.24	0.76	0.72
<i>Girls</i>						
<i>Overall mean length</i>	57.2 \pm 2.1	62.7 \pm 2.2	66.8 \pm 2.3	69.9 \pm 2.5	75.0 \pm 2.9	79.7 \pm 3.1
Q1: 25 (1.8-36)	57.4 \pm 2.1	63.1 \pm 2.3	66.9 \pm 2.3	70.2 \pm 2.6	75.3 \pm 2.0	80.1 \pm 3.5
Q2: 48 (36-63)	57.1 \pm 2.1	62.7 \pm 2.2	66.7 \pm 2.5	69.7 \pm 2.5	74.9 \pm 3.0	79.5 \pm 3.1
Q3: 84 (63-120)	57.1 \pm 2.0	62.8 \pm 2.0	66.8 \pm 2.2	69.9 \pm 2.5	75.2 \pm 3.0	79.7 \pm 3.2
Q4: 185 (121-272)	57.3 \pm 1.9	62.9 \pm 2.0	67.2 \pm 2.1	70.1 \pm 2.4	75.3 \pm 2.7	79.7 \pm 3.0
Q5: 414 (273-1632)	56.9 \pm 2.2	62.3 \pm 2.3	66.5 \pm 2.3	69.5 \pm 2.4	74.6 \pm 2.7	79.4 \pm 2.8
p-value for trend ^a	0.071	0.004	0.19	0.044	0.17	0.12

^aLinear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 3. Multiple-adjusted linear regression analysis for evaluation of associations between quintiles of maternal urinary arsenic (U-As, $\mu\text{g/L}$) at 8 and 30 weeks of pregnancy and attained weight (kg) of children at 3, 6, 9, 12, 18, and 24 months of age. Data are presented for boys and girls.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 8 weeks of pregnancy						
<i>Boys</i>						
Unadjusted ^a						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.096 (-0.061; 0.25)	0.058 (-0.12; 0.24)	0.049 (-0.15; 0.25)	-0.051 (-0.25; 0.15)	-0.084 (-0.31; 0.14)	-0.036 (-0.28; 0.20)
Q3: 80 (57-115)	-0.083 (-0.24; 0.075)	-0.14 (-0.32; 0.04)	-0.18 (-0.38; 0.023)	-0.27 (-0.47; -0.072)	-0.34 (-0.56; -0.12)	-0.28 (-0.52; -0.041)
Q4: 169 (116-245)	0.057 (-0.11; 0.22)	-0.060 (-0.24; 0.12)	-0.16 (-0.36; 0.041)	-0.21 (-0.41; -0.002)	-0.23 (-0.46; -0.009)	-0.21 (-0.45; 0.032)
Q5: 378 (246-1611)	0.070 (-0.092; 0.23)	-0.043 (-0.23; 0.14)	-0.030 (-0.23; 0.17)	-0.062 (-0.26; 0.14)	-0.17 (-0.39; 0.054)	-0.11 (-0.35; 0.13)
Adjusted ^b						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.11 (-0.04; 0.26)	0.10 (-0.071; 0.27)	0.077 (-0.11; 0.26)	-0.018 (-0.20; 0.17)	-0.030 (-0.24; 0.18)	0.001 (-0.22; 0.22)
Q3: 80 (57-115)	-0.034 (-0.18; 0.12)	-0.079 (-0.25; 0.094)	-0.11 (-0.30; 0.073)	-0.20 (-0.38; -0.011)	-0.23 (-0.43; -0.024)	-0.18 (-0.41; 0.039)
Q4: 169 (116-245)	0.13 (-0.028; 0.28)	0.043 (-0.13; 0.22)	-0.048 (-0.24; 0.14)	-0.088 (-0.28; 0.10)	-0.086 (-0.29; 0.12)	-0.082 (-0.31; 0.14)
Q5: 378 (246-1611)	0.17 (0.017; 0.33)	0.084 (-0.092; 0.26)	0.086 (-0.10; 0.27)	0.080 (-0.11; 0.27)	0.015 (-0.19; 0.22)	0.066 (-0.16; 0.29)

^aUrinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^bUrinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 3. Cont.

Quintiles of maternal U-As; Median (range), µg/L	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 8 weeks of pregnancy						
<i>Girls</i>						
Unadjusted ^a						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.080 (-0.068; 0.23)	-0.010 (-0.19; 0.17)	-0.037 (-0.23; 0.16)	-0.077 (-0.28; 0.13)	-0.10 (-0.32; 0.11)	-0.096 (-0.33; 0.14)
Q3: 80 (57-115)	-0.043 (-0.19; 0.10)	-0.14 (-0.31; 0.028)	-0.088 (-0.28; 0.11)	-0.13 (-0.34; 0.074)	-0.095 (-0.31; 0.12)	-0.084 (-0.31; 0.14)
Q4: 169 (116-245)	0.023 (-0.13; 0.18)	-0.16 (-0.34; 0.017)	-0.11 (-0.30; 0.085)	-0.18 (-0.39; 0.026)	-0.16 (-0.37; 0.052)	-0.14 (-0.37; 0.088)
Q5: 378 (246-1611)	-0.079 (-0.23; 0.071)	-0.16 (-0.33; 0.013)	-0.19 (-0.39; 0.002)	-0.19 (-0.40; 0.017)	-0.16 (-0.37; 0.058)	-0.15 (-0.38; 0.077)
Adjusted ^b						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.10 (-0.042; 0.24)	0.032 (-0.14; 0.20)	0.009 (-0.18; 0.19)	-0.030 (-0.22; 0.16)	-0.035 (-0.23; 0.16)	-0.033 (-0.25; 0.18)
Q3: 80 (57-115)	-0.007 (-0.15; 0.13)	-0.085 (-0.25; 0.078)	-0.008 (-0.19; 0.18)	-0.056 (-0.25; 0.14)	0.003 (-0.20; 0.20)	0.007 (-0.21; 0.22)
Q4: 169 (116-245)	0.048 (-0.10; 0.20)	-0.10 (-0.27; 0.066)	-0.038 (-0.22; 0.15)	-0.094 (-0.29; 0.098)	-0.038 (-0.24; 0.16)	-0.031 (-0.25; 0.18)
Q5: 378 (246-1611)	-0.021 (-0.17; 0.12)	-0.060 (-0.23; 0.11)	-0.054 (-0.24; 0.13)	-0.035 (-0.23; 0.16)	0.034 (-0.17; 0.24)	0.024 (-0.19; 0.24)

^a Urinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^b Urinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 3. Cont.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 30 weeks of pregnancy						
<i>Boys</i>						
Unadjusted ^a						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.016 (-0.17; 0.14)	0.068 (-0.12; 0.25)	0.015 (-0.19; 0.22)	0.034 (-0.17; 0.23)	-0.062 (-0.28; 0.16)	-0.018 (-0.26; 0.22)
Q3: 84 (63-120)	-0.081 (-0.24; 0.075)	-0.006 (-0.19; 0.18)	-0.079 (-0.28; 0.12)	-0.10 (-0.30; 0.096)	-0.13 (-0.35; 0.087)	-0.17 (-0.41; 0.062)
Q4: 185 (121-272)	-0.088 (-0.25; 0.071)	-0.074 (-0.26; 0.11)	-0.15 (-0.35; 0.045)	-0.17 (-0.37; 0.030)	-0.23 (-0.45; -0.009)	-0.26 (-0.50; -0.026)
Q5: 414 (273-1632)	-0.092 (-0.26; 0.071)	-0.042 (-0.23; 0.15)	-0.12 (-0.32; 0.086)	-0.057 (-0.26; 0.15)	-0.081 (-0.31; 0.14)	-0.14 (-0.38; 0.10)
Adjusted ^b						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	0.050 (-0.10; 0.20)	0.13 (-0.044; 0.31)	0.086 (-0.10; 0.28)	0.090 (-0.096; 0.28)	0.014 (-0.19; 0.22)	0.052 (-0.17; 0.28)
Q3: 84 (63-120)	-0.032 (-0.18; 0.12)	0.040 (-0.14; 0.22)	-0.040 (-0.23; 0.15)	-0.074 (-0.26; 0.11)	-0.086 (-0.29; 0.12)	-0.13 (-0.35; 0.095)
Q4: 185 (121-272)	-0.011 (-0.16; 0.14)	-0.003 (-0.18; 0.17)	-0.058 (-0.24; 0.13)	-0.11 (-0.29; 0.080)	-0.14 (-0.34; 0.068)	-0.18 (-0.40; 0.045)
Q5: 414 (273-1632)	0.013 (-0.15; 0.17)	0.075 (-0.11; 0.26)	-0.002 (-0.19; 0.19)	0.052 (-0.14; 0.24)	0.061 (-0.15; 0.27)	0.012 (-0.22; 0.24)

^a Urinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^b Urinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 3. Cont.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 30 weeks of pregnancy						
<i>Girls</i>						
Unadjusted ^a						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.064 (-0.22; 0.088)	-0.075 (-0.25; 0.099)	-0.079 (-0.27; 0.11)	-0.095 (-0.29; 0.10)	-0.12 (-0.33; 0.093)	-0.11 (-0.33; 0.12)
Q3: 84 (63-120)	-0.098 (-0.25; 0.057)	-0.082 (-0.26; 0.095)	-0.12 (-0.31; 0.074)	-0.12 (-0.32; 0.081)	-0.048 (-0.26; 0.16)	-0.089 (-0.32; 0.14)
Q4: 185 (121-272)	-0.15 (-0.31; 0.005)	-0.040 (-0.22; 0.14)	-0.039 (-0.23; 0.15)	-0.078 (-0.28; 0.12)	0.026 (-0.19; 0.24)	-0.053 (-0.28; 0.17)
Q5: 414 (273-1632)	-0.21 (-0.37; -0.061)	-0.17 (-0.34; 0.005)	-0.23 (-0.42; -0.038)	-0.23 (-0.42; -0.031)	-0.12 (-0.33; 0.089)	-0.18 (-0.40; 0.040)
Adjusted ^b						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.054 (-0.20; 0.093)	-0.020 (-0.19; 0.15)	-0.045 (-0.22; 0.13)	-0.054 (-0.24; 0.13)	-0.044 (-0.24; 0.15)	-0.052 (-0.26; 0.16)
Q3: 84 (63-120)	-0.097 (-0.25; 0.052)	-0.068 (-0.24; 0.10)	-0.15 (-0.33; 0.031)	-0.14 (-0.33; 0.045)	-0.043 (-0.24; 0.15)	-0.087 (-0.30; 0.13)
Q4: 185 (121-272)	-0.13 (-0.28; 0.026)	0.005 (-0.17; 0.18)	0.012 (-0.17; 0.19)	-0.018 (-0.20; 0.17)	0.12 (-0.077; 0.31)	0.023 (-0.19; 0.23)
Q5: 414 (273-1632)	-0.16 (-0.31; -0.015)	-0.066 (-0.23; 0.10)	-0.12 (-0.30; 0.056)	-0.10 (-0.29; 0.079)	0.033 (-0.16; 0.23)	-0.043 (-0.25; 0.17)

^a Urinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^b Urinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 4. Multiple-adjusted linear regression analysis for evaluation of associations between quintiles of maternal urinary arsenic (U-As, $\mu\text{g/L}$) at 8 and 30 weeks of pregnancy and attained *length (cm)* of children at 3, 6, 9, 12, 18, and 24 months of age. Data are presented for boys and girls.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 8 weeks of pregnancy						
<i>Boys</i>						
Unadjusted ^a						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.18 (-0.34; 0.69)	-0.11 (-0.60; 0.38)	-0.21 (-0.71; 0.29)	-0.25 (-0.76; 0.25)	-0.44 (-1.03; 0.15)	-0.063 (-0.72; 0.60)
Q3: 80 (57-115)	-0.19 (-0.71; 0.33)	-0.42 (-0.91; 0.078)	-0.57 (-1.07;-0.072)	-0.64 (-1.14;-0.14)	-0.78 (-1.36; -0.19)	-0.62 (-1.28; 0.044)
Q4: 169 (116-245)	-0.037 (-0.57; 0.50)	-0.41 (-0.91; 0.094)	-0.43 (-0.93; 0.068)	-0.46 (-0.97; 0.053)	-0.40 (-1.00; 0.19)	-0.42 (-1.08; 0.25)
Q5: 378 (246-1611)	0.20 (-0.34; 0.73)	0.019 (-0.48; 0.52)	-0.049 (-0.54; 0.45)	-0.26 (-0.76; 0.24)	-0.086 (-0.67; 0.51)	-0.030 (-0.70; 0.64)
Adjusted ^b						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.18 (-0.32; 0.68)	-0.049 (-0.53; 0.43)	-0.19 (-0.67; 0.29)	-0.23 (-0.70; 0.25)	-0.36 (-0.91; 0.19)	-0.012 (-0.63; 0.61)
Q3: 80 (57-115)	-0.088 (-0.60; 0.42)	-0.29 (-0.78; 0.19)	-0.49 (-0.97;-0.013)	-0.50 (-0.98; -0.030)	-0.52 (-1.07; 0.025)	-0.38 (-1.01; 0.24)
Q4: 169 (116-245)	0.12 (-0.41; 0.64)	-0.18 (-0.67; 0.31)	-0.23 (-0.71; 0.25)	-0.20 (-0.68; 0.29)	-0.035 (-0.59; 0.52)	-0.061 (-0.68; 0.56)
Q5: 378 (246-1611)	0.41 (-0.12; 0.93)	0.28 (-0.21; 0.77)	0.15 (-0.33; 0.63)	-0.006 (-0.48; 0.47)	0.32 (-0.23; 0.88)	0.40 (-0.22; 1.03)

^aUrinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^bUrinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 4. *Cont.*

Quintiles of maternal U-As; Median (range), µg/L	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 8 weeks of pregnancy						
<i>Girls</i>						
Unadjusted ^a						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.17 (-0.030; 0.65)	-0.15 (-0.63; 0.32)	-0.14 (-0.63; 0.36)	-0.31 (-0.82; 0.19)	-0.34 (-0.92; 0.25)	-0.38 (-1.03; 0.27)
Q3: 80 (57-115)	-0.13 (-0.60; 0.35)	-0.20 (-0.66; 0.26)	-0.079 (-0.57; 0.41)	-0.071 (-0.58; 0.44)	-0.20 (-0.78; 0.39)	-0.31 (-0.96; 0.33)
Q4: 169 (116-245)	-0.006 (-0.50; 0.15)	-0.38 (-0.86; 0.020)	-0.069 (-0.56; 0.42)	-0.45 (-0.96; 0.055)	-0.41 (-0.99; 0.18)	-0.57 (-1.21; 0.064)
Q5: 378 (246-1611)	-0.042 (-0.52; 0.44)	-0.23 (-0.69; 0.24)	-0.21 (-0.70; 0.29)	-0.54 (-1.04; -0.030)	-0.33 (-0.92; 0.27)	-0.31 (-0.95; 0.34)
Adjusted ^b						
Q1: 23 (1.2-33)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 41 (33-57)	0.24 (-0.23; 0.71)	-0.045 (-0.50; 0.42)	0.002 (-0.47; 0.47)	-0.20 (-0.68; 0.28)	-0.15 (-0.71; 0.40)	-0.19 (-0.80; 0.43)
Q3: 80 (57-115)	-0.044 (-0.51; 0.42)	-0.080 (-0.53; 0.37)	0.12 (-0.35; 0.59)	0.11 (-0.37; 0.59)	0.053 (-0.50; 0.61)	-0.035 (-0.64; 0.57)
Q4: 169 (116-245)	0.076 (-0.42; 0.57)	-0.23 (-0.69; 0.24)	0.12 (-0.35; 0.59)	-0.23 (-0.71; 0.25)	-0.072 (-0.63; 0.48)	-0.23 (-0.83; 0.38)
Q5: 378 (246-1611)	0.11 (-0.36; 0.59)	0.014 (-0.44; 0.47)	0.13 (-0.34; 0.61)	-0.17 (-0.65; 0.31)	0.19 (-0.38; 0.75)	0.17 (-0.44; 0.79)

^aUrinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^bUrinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 4. Cont.

Quintiles of maternal U-As; Median (range), $\mu\text{g/L}$	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 30 weeks of pregnancy						
<i>Boys</i>						
Unadjusted ^a						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.12 (-0.63; 0.39)	-0.12 (-0.62; 0.37)	-0.016 (-0.51; 0.48)	-0.16 (-0.65; 0.34)	-0.32 (-0.90; 0.27)	-0.18 (-0.83; 0.47)
Q3: 84 (63-120)	-0.52 (-1.04; -0.010)	-0.028 (-0.64; 0.35)	-0.15 (-0.65; 0.34)	-0.45 (-0.95; 0.039)	-0.49 (-1.07; 0.089)	-0.43 (-1.07; 0.21)
Q4: 185 (121-272)	-0.74 (-1.26; -0.22)	-0.046 (-0.92; 0.069)	-0.43 (-0.92; 0.052)	-0.52 (-1.01; -0.025)	-0.60 (-1.18; -0.014)	-0.49 (-1.13; 0.15)
Q5: 414 (273-1632)	-0.39 (-0.92; 0.15)	-0.13 (-0.75; 0.28)	-0.20 (-0.70; 0.31)	-0.37 (-0.87; 0.13)	-0.22 (-0.82; 0.37)	-0.21 (-0.88; 0.45)
Adjusted ^b						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.058 (-0.44; 0.56)	0.082 (-0.40; 0.57)	0.13 (-0.35; 0.61)	-0.014 (-0.48; 0.46)	-0.095 (-0.65; 0.46)	0.040 (-0.57; 0.65)
Q3: 84 (63-120)	-0.40 (-0.90; 0.11)	-0.023 (-0.51; 0.46)	-0.092 (-0.57; 0.38)	-0.41 (-0.87; 0.061)	-0.37 (-0.91; 0.17)	-0.29 (-0.89; 0.32)
Q4: 185 (121-272)	-0.55 (-1.06; -0.031)	-0.23 (-0.71; 0.26)	-0.27 (-0.74; 0.20)	-0.37 (-0.84; 0.096)	-0.37 (-0.92; 0.17)	-0.25 (-0.85; 0.36)
Q5: 414 (273-1632)	-0.16 (-0.69; 0.37)	0.039 (-0.46; 0.54)	0.004 (-0.48; 0.49)	-0.17 (-0.65; 0.31)	0.11 (-0.45; 0.67)	0.16 (-0.47; 0.78)

^aUrinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered^bUrinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 4. *Cont.*

Quintiles of maternal U-As; Median (range), µg/L	3 months β (95% CI)	6 months β (95% CI)	9 months β (95% CI)	12 months β (95% CI)	18 months β (95% CI)	24 months β (95% CI)
At 30 weeks of pregnancy						
<i>Girls</i>						
Unadjusted ^a						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.29 (-0.77; 0.19)	-0.30 (-0.77; 0.17)	-0.19 (-0.67; 0.29)	-0.45 (-0.95; 0.039)	-0.15 (-0.73; 0.43)	-0.58 (-1.22; 0.049)
Q3: 84 (63-120)	-0.39 (-0.88; 0.094)	-0.23 (-0.71; 0.24)	-0.088 (-0.58; 0.40)	-0.26 (-0.76; 0.24)	0.13 (-0.46; 0.71)	-0.41 (-1.05; 0.23)
Q4: 185 (121-272)	-0.22 (-0.71; 0.28)	-0.12 (-0.60; 0.36)	0.29 (-0.19; 0.77)	-0.098 (-0.60; 0.40)	0.26 (-0.32; 0.85)	-0.40 (-1.03; 0.24)
Q5: 414 (273-1632)	-0.61 (-1.10; -0.13)	-0.71 (-1.17; -0.24)	-0.40 (-0.88; 0.082)	-0.64 (-1.13; -0.15)	-0.40 (-0.98; 0.17)	-0.71 (-1.33; -0.084)
Adjusted ^b						
Q1: 25 (1.8-36)	Reference	Reference	Reference	Reference	Reference	Reference
Q2: 48 (36-63)	-0.27 (-0.74; 0.21)	-0.16 (-0.62; 0.30)	-0.078 (-0.54; 0.38)	-0.33 (-0.80; 0.14)	0.045 (-0.50; 0.59)	-0.39 (-0.99; 0.21)
Q3: 84 (63-120)	-0.40 (-0.88; 0.081)	-0.17 (-0.64; 0.29)	-0.12 (-0.59; 0.35)	-0.27 (-0.75; 0.20)	0.19 (-0.37; 0.74)	-0.33 (-0.94; 0.28)
Q4: 185 (121-272)	-0.16 (-0.65; 0.33)	-0.007 (-0.47; 0.46)	0.42 (-0.039; 0.88)	0.066 (-0.41; 0.54)	0.50 (-0.052; 1.05)	-0.15 (-0.75; 0.46)
Q5: 414 (273-1632)	-0.50 (-0.98; -0.025)	-0.49 (-0.94; -0.030)	-0.16 (-0.62; 0.30)	-0.34 (-0.81; 0.13)	-0.007 (-0.56; 0.54)	-0.32 (-0.91; 0.28)

^aUrinary arsenic (quintiles of U-As at 8 and 30 weeks of gestation) and actual age in respective age group were entered

^bUrinary arsenic, age, maternal BMI (continuous variable) and SES (quintiles as continuous variable) were entered

Supplemental Table 5. Attained child *weight* (kg) at 18, 21, and 24 months of age by quintiles of child urinary arsenic (U-As, µg/L) at 18 months of age. Data are presented for all children, boys and girls.

Quintiles of U-As at 18 months; Median (range), µg/L	18 months	21 months	24 months
	Mean±SD	Mean±SD	Mean±SD
<i>All children</i>			
<i>Overall mean weight</i>	8.88±1.15	9.28±1.18	9.72±1.23
Q1: 12 (2.4-16)	9.10±1.26	9.46±1.30	9.90±1.39
Q2: 20 (16-26)	8.86±1.06	9.31±1.20	9.71±1.20
Q3: 34 (26-46)	8.81±1.13	9.22±1.13	9.64±1.18
Q4: 64 (46-96)	8.75±1.11	9.17±1.10	9.62±1.16
Q5: 159 (96-937)	8.88±1.13	9.24±1.14	9.73±1.22
p-value for trend ^a	0.21	0.056	0.42
<i>Boys</i>			
<i>Overall mean weight</i>	9.20±1.14	9.59±1.18	10.0±1.25
Q1: 12 (2.4-16)	9.32±1.20	9.66±1.33	10.1±1.43
Q2: 20 (16-26)	9.14±1.04	9.61±1.15	10.0±1.17
Q3: 34 (26-46)	9.18±1.16	9.54±1.16	10.0±1.22
Q4: 64 (46-96)	9.11±1.07	9.51±1.08	9.97±1.15
Q5: 159 (96-937)	9.23±1.18	9.62±1.15	10.1±1.25
p-value for trend ^a	0.98	0.99	0.67
<i>Girls</i>			
<i>Overall mean weight</i>	8.54±1.06	8.94±1.08	9.38±1.12
Q1: 12 (2.4-16)	8.86±1.26	9.22±1.22	9.65±1.30
Q2: 20 (16-26)	8.57±1.00	9.01±1.16	9.42±1.15
Q3: 34 (26-46)	8.26±0.92	8.83±0.96	9.19±0.95
Q4: 64 (46-96)	8.38±1.02	8.81±1.01	9.28±1.05
Q5: 159 (96-937)	8.54±0.97	8.86±1.00	9.37±1.08
p-value for trend ^a	0.15	0.018	0.28

^a Linear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 6. Attained child *length (cm)* at 18, 21, and 24 months of age by quintiles of child urinary arsenic (U-As, $\mu\text{g/L}$) at 18 months of age. Data are presented for all children, boys and girls.

Quintiles of U-As at 18 months; Median (range), $\mu\text{g/L}$	18 months	21 months	24 months
	Mean \pm SD	Mean \pm SD	Mean \pm SD
<i>All children</i>			
<i>Overall mean length</i>	75.9 \pm 3.1	78.4 \pm 3.2	80.5 \pm 3.3
Q1: 12 (2.4-16)	76.2 \pm 3.0	78.8 \pm 3.2	80.9 \pm 3.4
Q2: 20 (16-26)	76.0 \pm 3.1	78.4 \pm 3.3	80.7 \pm 3.4
Q3: 34 (26-46)	75.7 \pm 3.1	78.3 \pm 3.2	80.4 \pm 3.3
Q4: 64 (46-96)	75.8 \pm 3.1	78.1 \pm 3.2	80.1 \pm 3.2
Q5: 159 (96-937)	76.0 \pm 3.1	78.4 \pm 3.2	80.5 \pm 3.3
p-value for trend ^a	0.78	0.24	0.13
<i>Boys</i>			
<i>Overall mean length</i>	76.8 \pm 3.0	79.2 \pm 3.2	81.3 \pm 3.4
Q1: 12 (2.4-16)	76.8 \pm 2.9	79.3 \pm 3.2	81.4 \pm 3.4
Q2: 20 (16-26)	76.9 \pm 2.9	79.2 \pm 3.3	81.3 \pm 3.4
Q3: 34 (26-46)	76.5 \pm 3.1	79.0 \pm 3.2	81.2 \pm 3.3
Q4: 64 (46-96)	76.7 \pm 3.0	78.9 \pm 3.1	81.0 \pm 3.2
Q5: 159 (96-937)	77.0 \pm 3.2	79.3 \pm 3.3	81.4 \pm 3.4
p-value for trend ^a	0.38	0.70	0.91
<i>Girls</i>			
<i>Overall mean length</i>	75.0 \pm 2.9	77.5 \pm 3.0	79.7 \pm 3.1
Q1: 12 (2.4-16)	75.6 \pm 3.1	78.2 \pm 3.2	80.4 \pm 3.4
Q2: 20 (16-26)	75.0 \pm 3.0	77.6 \pm 3.1	80.0 \pm 3.2
Q3: 34 (26-46)	74.6 \pm 2.8	77.4 \pm 3.0	79.4 \pm 3.1
Q4: 64 (46-96)	74.8 \pm 2.9	77.2 \pm 2.9	79.3 \pm 2.9
Q5: 159 (96-937)	75.0 \pm 2.6	77.4 \pm 2.9	79.6 \pm 3.0
p-value for trend ^a	0.37	0.094	0.063

^a Linear trends across categories were tested using the median U-As concentrations within categories as continuous variable

Supplemental Table 7. Odds ratio (OR) and 95% confidence interval (CI) for *underweight* in children at 18, 21, and 24 months of age, in relation to quintiles of child urinary arsenic (U-As, µg/L) at 18 months of age. Data are presented for all children, boys and girls.

Quintiles of U-As at 18 months; Median (range), µg/L	18 months	21 months	24 months
	OR (95% CI)	OR (95% CI)	OR (95% CI)
	n = 755 cases	n = 808 cases	n = 837 cases
<i>All children</i>			
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.20 (0.90-1.59)	1.07 (0.81-1.41)	1.05 (0.80-1.39)
Q3: 34 (26-46)	1.26 (0.95-1.67)	1.14 (0.86-1.50)	1.28 (0.97-1.68)
Q4: 64 (46-96)	1.52 (1.15-2.00)	1.41 (1.07-1.85)	1.27 (0.96-1.67)
Q5: 159 (96-937)	1.18 (0.89-1.57)	1.07 (0.81-1.42)	1.12 (0.85-1.48)
Adjusted ^b			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.03 (0.76-1.38)	0.92 (0.69-1.24)	0.91 (0.68-1.22)
Q3: 34 (26-46)	1.08 (0.81-1.45)	1.00 (0.75-1.34)	1.08 (0.81-1.45)
Q4: 64 (46-96)	1.28 (0.96-1.71)	1.18 (0.89-1.58)	1.06 (0.79-1.42)
Q5: 159 (96-937)	1.00 (0.74-1.34)	0.91 (0.67-1.22)	0.94 (0.70-1.26)
<i>Boys</i>	n = 401 cases	n = 427 cases	n = 452 cases
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.15 (0.78-1.69)	0.86 (0.59-1.26)	0.98 (0.67-1.43)
Q3: 34 (26-46)	1.06 (0.73-1.55)	0.99 (0.69-1.43)	1.08 (0.75-1.56)
Q4: 64 (46-96)	1.35 (0.92-1.97)	1.15 (0.79-1.67)	1.19 (0.82-1.73)
Q5: 159 (96-937)	1.06 (0.72-1.57)	0.84 (0.57-1.24)	0.93 (0.64-1.37)
Adjusted ^c			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	0.98 (0.65-1.46)	0.73 (0.49-1.08)	0.83 (0.56-1.23)
Q3: 34 (26-46)	0.87 (0.58-1.29)	0.81 (0.55-1.20)	0.90 (0.61-1.31)
Q4: 64 (46-96)	1.12 (0.75-1.67)	0.94 (0.64-1.39)	1.00 (0.68-1.49)
Q5: 159 (96-937)	0.92 (0.61-1.38)	0.73 (0.49-1.10)	0.79 (0.53-1.18)
<i>Girls</i>	n = 354 cases	n = 381 cases	n = 385 cases
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.28 (0.84-1.94)	1.38 (0.92-2.09)	1.19 (0.79-1.80)
Q3: 34 (26-46)	1.56 (1.02-2.38)	1.36 (0.89-2.08)	1.60 (1.06-2.43)
Q4: 64 (46-96)	1.75 (1.16-2.64)	1.82 (1.21-2.73)	1.41 (0.93-2.11)
Q5: 159 (96-937)	1.36 (0.90-2.07)	1.42 (0.94-2.15)	1.41 (0.94-2.12)
Adjusted ^c			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.10 (0.71-1.71)	1.24 (0.80-1.90)	1.04 (0.67-1.60)
Q3: 34 (26-46)	1.44 (0.93-2.24)	1.31 (0.84-2.04)	1.41 (0.91-2.19)
Q4: 64 (46-96)	1.50 (0.98-2.30)	1.57 (1.02-2.40)	1.15 (0.75-1.76)
Q5: 159 (96-937)	1.11 (0.72-1.73)	1.18 (0.76-1.82)	1.15 (0.75-1.78)

^a Urinary arsenic (quintiles of U-As exposure at 18 months) and actual age in respective age group were entered

^b Urinary arsenic, age, sex, maternal BMI (continuous variable) and SES (using quintiles as continuous variable) were entered

^c Urinary arsenic, age, maternal BMI (continuous variable) and SES (using quintiles as continuous variable) were entered

Supplemental Table 8. Odds ratio (OR) and 95% confidence interval (CI) for *stunting* in children at 18, 21, and 24 months of age, in relation to quintiles of child urinary arsenic (U-As, µg/L) at 18 months of age. Data are presented for all children, boys and girls.

Quintiles of U-As at 18 months; Median (range), µg/L	18 months OR (95% CI) <i>n</i> = 1028 cases	21 months OR (95% CI) <i>n</i> = 1069 cases	24 months OR (95% CI) <i>n</i> = 1086 cases
<i>All children</i>			
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.18 (0.91-1.54)	1.18 (0.90-1.53)	1.07 (0.82-1.39)
Q3: 34 (26-46)	1.45 (1.11-1.89)	1.18 (0.90-1.54)	1.21 (0.93-1.58)
Q4: 64 (46-96)	1.32 (1.01-1.72)	1.42 (1.09-1.86)	1.31 (1.00-1.72)
Q5: 159 (96-937)	1.04 (0.80-1.36)	1.02 (0.78-1.34)	1.08 (0.82-1.41)
Adjusted ^b			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.00 (0.76-1.33)	1.02 (0.77-1.35)	0.89 (0.67-1.17)
Q3: 34 (26-46)	1.26 (0.95-1.67)	1.04 (0.79-1.38)	1.02 (0.77-1.36)
Q4: 64 (46-96)	1.09 (0.82-1.44)	1.19 (0.90-1.57)	1.06 (0.80-1.41)
Q5: 159 (96-937)	0.87 (0.65-1.15)	0.88 (0.66-1.17)	0.90 (0.67-1.19)
<i>Boys</i>	<i>n</i> = 556 cases	<i>n</i> = 570 cases	<i>n</i> = 584 cases
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	0.88 (0.61-1.27)	0.96 (0.68-1.39)	0.88 (0.61-1.27)
Q3: 34 (26-46)	1.18 (0.82-1.69)	1.01 (0.71-1.45)	1.01 (0.71-1.45)
Q4: 64 (46-96)	1.11 (0.77-1.60)	1.14 (0.79-1.65)	1.02 (0.71-1.48)
Q5: 159 (96-937)	0.84 (0.58-1.22)	0.90 (0.62-1.31)	0.88 (0.60-1.27)
Adjusted ^c			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	0.70 (0.47-1.03)	0.81 (0.55-1.19)	0.69 (0.47-1.03)
Q3: 34 (26-46)	0.96 (0.66-1.41)	0.82 (0.56-1.20)	0.80 (0.55-1.18)
Q4: 64 (46-96)	0.88 (0.59-1.30)	0.91 (0.62-1.35)	0.78 (0.53-1.16)
Q5: 159 (96-937)	0.71 (0.48-1.06)	0.78 (0.53-1.16)	0.71 (0.48-1.06)
<i>Girls</i>	<i>n</i> = 472 cases	<i>n</i> = 499 cases	<i>n</i> = 502 cases
Unadjusted ^a			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.68 (1.13-2.48)	1.50 (1.02-2.22)	1.37 (0.93-2.03)
Q3: 34 (26-46)	1.85 (1.24-2.76)	1.42 (0.95-2.12)	1.52 (1.01-2.27)
Q4: 64 (46-96)	1.65 (1.12-2.43)	1.83 (1.24-2.72)	1.77 (1.20-2.63)
Q5: 159 (96-937)	1.35 (0.91-2.01)	1.22 (0.83-1.82)	1.40 (0.95-2.08)
Adjusted ^c			
Q1: 12 (2.4-16)	1.00 (Reference)	1.00 (Reference)	1.00 (Reference)
Q2: 20 (16-26)	1.49 (0.99-2.24)	1.33 (0.88-1.99)	1.17 (0.78-1.76)
Q3: 34 (26-46)	1.71 (1.13-2.58)	1.36 (0.90-2.05)	1.36 (0.90-2.07)
Q4: 64 (46-96)	1.39 (0.93-2.09)	1.58 (1.05-2.37)	1.47 (0.98-2.22)
Q5: 159 (96-937)	1.09 (0.72-1.64)	1.03 (0.68-1.55)	1.17 (0.78-1.76)

^a Urinary arsenic (quintiles U-As exposure at 18 months) and actual age in respective age group were entered

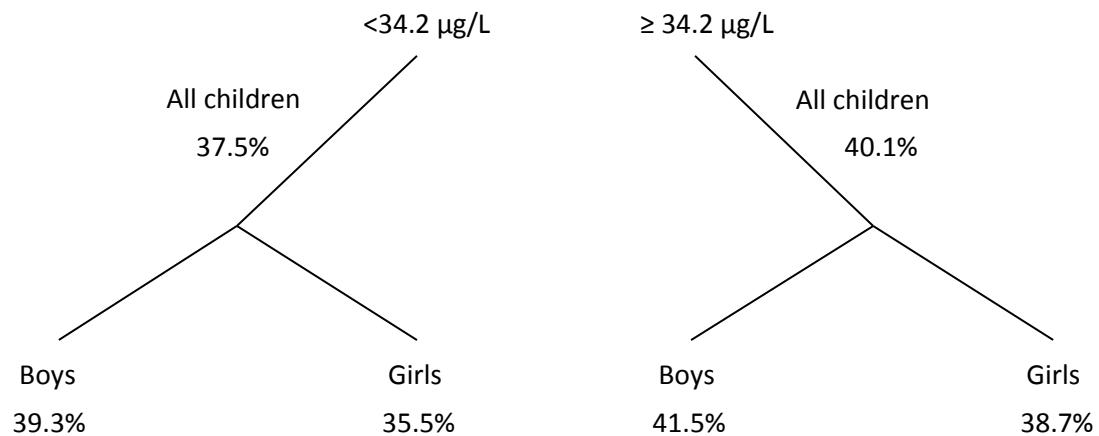
^b Urinary arsenic, age, sex, maternal BMI (continuous variable) and SES (using quintiles as continuous variable) were entered

^c Urinary arsenic, age, maternal BMI (continuous variable) and SES (using quintiles as continuous variable) were entered

A)

Underweight, %

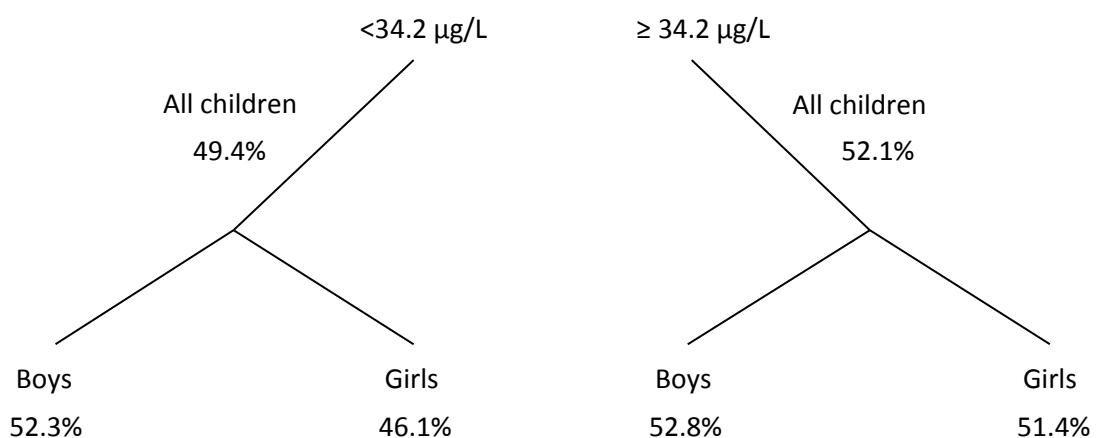
U-As, 18 months



B)

Stunting, %

U-As, 18 months



Supplemental Figure 1. Percent underweight (weight for age Z-score <-2) (A) and stunting (length for age Z-score <-2) (B) in boys and girls at 24 months of age by categorized urinary arsenic (median split, 34.2 µg/L) at 18 months.